

**CONFIDENTIAL**

FBIS-1266/87

14 JUL 1987

MEMORANDUM FOR: Director of Information Technology

FROM:

25X1

Director, Foreign Broadcast Information Service

SUBJECT:

Communications Requirements for FBIS at Reston

25X1

REFERENCE:

OIT-0368-87, dtd 6 Jul 87, Same Subject

1. It is my understanding that continuing technical discussions over the past month between the FBIS Engineering Support Group and  of your staff have negated the the cost estimates of the reference. I further understand that these discussions resulted in a revised design and new cost estimates for our INTERNET communication requirements between Headquarters and Reston. The agreed upon approach calls for a three fiber pair installation to accommodate, with some timesharing on one channel, FBIS' baseline and INTERNET requirements. Two pairs are already funded within your Reston initiative resources, and FBIS will fund an additional fiber pair service in accord with para 2.

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2. FY-87 fiber optic transmission equipment purchases, not to exceed \$58,700, may be charged against . Due to procurement lead times the actual installation of this equipment will not occur until late October 1987. Installation, checkout and test charges, not to exceed \$20,000, may be charged to  in FY-88. FY-88 and 89 fiber lease cost at \$28,500/P.A. may be charged against  indicated that OIT will be responsible for fiber lease expenses beginning in FY-90.

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3. FBIS' INTERNET contractor has been successful in obtaining a direct microwave path between Independence Hill and the Tysons Corner tower. This link eliminates our near-term requirement for fiber optic service to our INTERNET terminal. We remain supportive of your FY-89 initiative to install fiber optics between Independence Hill and Headquarters.

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SUBJECT: Communications Requirements for FBIS at Reston



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(14Jul87)

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C O N F I D E N T I A L

## ROUTING AND RECORD SHEET



SUBJECT: (Optional)

Communications Requirements for FBIS at Reston

JUL 6 9 33 AM '87

FROM:

Director of Information  
Technology  
2D00, Hqs.

EXTENSION

NO

OIT-0368-87

~~OIT/IRIS~~  
LOGGED

DATE

6 July 1987

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S  
INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across columns after each comment.)

1. Director of Foreign  
Broadcast Informa-  
tion Service

2. 1013 Key Bldg.

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it? Fiber from  
Quantico to HQS?

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OIT/TRIS  
OIT-0368-87 LOGGED  
06 JUL 1987

MEMORANDUM FOR: Director, Foreign Broadcast Information Service, DS&T

FROM:

Director of Information Technology, DA

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SUBJECT:

Communications Requirements for FBIS at Reston

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REFERENCE:

A. Your Memo, FBIS-0104/87 dtd 26 May 87, Subj:  
Fiber Optics to Reston

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B. Your Memo, FBIS-1227/87 dtd 20 May 87, Subj:  
Fiber Optic Communications Between Reston and Independence  
Hill, Virginia

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*Bob*  
1. As a response to your request in reference A, we reviewed the Reston to Headquarters connectivity requirements for FBIS. Because the FBIS requirements were originally not in the Reston base, the funding for them cannot be absorbed by the Reston initiative. The \$268,000 required can be divided into \$160,000 in FY-87 funds and the rest in FY-88 if that helps your funding arrangements.

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2. Members of OIT/EG met with your technical representatives on 26 May to address your reference B requirement. OIT proposes that this service be provided by a fiber system from your INTERNET earth station to Headquarters with connectivity extending to Reston by expanding the existing fiber system. As these requirements are also new to OIT, there are no funds in the Reston initiative to implement this capability at this time. We have, however, already placed fiber connectivity to the FBIS ground station in an FY-89 initiative, should you not be able to provide funding in the interim.

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3. We have outlined below our estimate for cost and schedule for this service as requested by reference B. These projections were based on your requirements for one full-duplex NTSC video channel, one full-duplex wideband fax and six full-duplex audio channels.

a. The Headquarters to Independence Hill costs are as follows:  
Preliminary engineering and design would be required in FY-87 at a

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SUBJECT: Communications Requirements for FBIS at Reston

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cost of \$150,000. The FY-88 costs would be \$350,000 for transmission equipment and \$750,000 for fiber optic lease costs. The costs associated for the Headquarters to Reston connectivity, as previously provided, are \$268,000.

b. As a large portion of the fiber system would be leased from existing carrier facilities, it is anticipated that this service could be provided in three to four months from receipt of funding. However, flexibility in schedule could result in a considerable cost savings with the ability to conform to carrier normal construction intervals.

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4. In order for us to begin work on this project this year we will need funding by early July. The point of contact for this support for FBIS will be

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**CONFIDENTIAL**FBIS-0104/87  
26 May 1987  
**OIT/TRIS  
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MEMORANDUM FOR: Director of Information Technology

FROM: [REDACTED]

Director, Foreign Broadcast Information Service

SUBJECT: Fiber Optics to Reston [REDACTED]

REFERENCE: A. Memo OIT-063-87 dated 11 February 1987  
B. Memo OIT-0202-87 dated 30 April 1987

1. To say that Reference B took us by surprise is an understatement. At no time in our discussion with Bill Donnelly in January or in your February memo (Reference A) did we realize FBIS was trading the microwave antenna on the [REDACTED] roof for a quarter of a million dollar problem. In fact, it was not until your February memo that we were told FBIS was going to have to pay for the service. Furthermore, it is not clear to us that all of these costs are indeed payable in FY 1987 or that they all should necessarily be picked up by FBIS. [REDACTED]

2. What is much more bothersome is that at this point in the fiscal year, FBIS can not instantaneously come up with \$268,000. Given the 90 day estimate for completion, after the receipt of our funds, we are faced with an activation schedule of possibly September or even early October. This is totally inconsistent with any schedule that has previously been discussed. The receipt of your February memo implied to us that the action was underway. [REDACTED]

3. We request that OIT meet with the FBIS technical representatives to look at alternatives that can satisfy our requirements in a more timely and cost-effective manner. This may include utilizing the baseline capabilities provided by OIT between Headquarters and Reston until a more permanent solution can be funded and implemented. Please contact [REDACTED] secure. [REDACTED]

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FBIS-1227/87  
20 May 1987

**MEMORANDUM FOR:** Chief, New Building Communications Program Division  
Office of Information Technology, DA

**FROM:**   
Chief, Engineering Support Group  
Foreign Broadcast Information Service; DS&T

**SUBJECT:** Fiber Optic Communications Between Reston and  
Independence Hill, Virginia

Your assistance in estimating cost and schedule information for  
fiber optic service between FBIS Headquarters in Reston, Virginia and our  
INTERNET earth terminal at Independence Hill, Virginia is requested.  
Based on informal discussions with  of your staff, I  
understand that this service could be made available within 3-4 months.  
FBIS is very interested in this capability if the cost is reasonable.

